

MEMORIAL TO MRS. ELLEN H. RICHARDS UNVEILED MONDAY

Bas-Relief Presented by James P. Monroe in Behalf of Alumni

MANY FRIENDS PRESENT

At one of the most impressive services ever held at the Institute a bas-relief of Mrs. Ellen H. Richards '73, the first woman graduate of Technology, was unveiled in Room 10-250 Monday. Many of Mrs. Richards' classmates, pupils, and colleagues were present to honor this woman who is famed throughout the world as an authority on sanitary chemistry and household economics.

Husband Unveils Bas-Relief

Mr. James Phinney Monroe '82, Mrs. Richards' counsellor in community work for human conservation, presented the memorial, a bronze bas-relief, the work of Miss Bashka Paff. Following the presentation, Professor Emeritus Robert Richards '88, husband of Mrs. Richards, unveiled the bas-relief. The memorial was accepted in behalf of the Corporation by Professor Samuel C. Prescott '94, head of the Department of Biology at the Institute and former pupil and ally in pioneer work in public health of Mrs. Richards.

Several hundred people were present at the services, including many friends and classmates of Mrs. Richards and woman graduates of the Institute. The co-eds who are now attending Technology acted as ushers. It is intended to place the bronze plaque in one of the chemical laboratories.

Professor Augustus Gill '84, an associate of Mrs. Richards in the chemical Department of the Institute, was chairman of the exercises. Mr. William F. Nickerson '76, vice-president of the Gillette Safety Razor Co., and a fellow student of Mrs. Richards, Alice Blod '03, her former pupil and disciple in home economics, and Professor Ruth Wheeler, Chairman of the Committee on Eugenics at Vassar College, in their addresses all emphasized the good qualities of this first woman graduate.

BOSTON'S WATER SUPPLY DISCUSSED

Mr. Frank E. Winsor Delivers Lecture on Proposed New System

Mr. Frank E. Winsor was the speaker at the meeting of the Faculty Club held in the Faculty Dining Room at Walker last Monday afternoon. The subject of his lecture was "The Boston Metropolitan Water System," and the proposed extension of the system, Mr. Winsor being the engineer in charge of this work.

A detailed description was given of the plans which have been made for supplementing the existing water supply of Boston. Mr. Winsor quoted many statistics relating to the consumption of water in this area at the present time. He also gave warning of the necessity for a supplementary system, and also the need of prompt action in getting this project under way. He stated that the present consumption is equal to the supply, and in addition is increasing every year. In view of the fact that the completion of this work will take three or four years, he stated that no time must be lost in completing the new work.

Roto Discontinued

From now until after Christmas the regular Wednesday Rotogravure section of THE TECH will be discontinued. It is expected that it will start again immediately after the holidays.

Electrical Department Does Practical Work

At last the Electrical Engineering Department has applied its knowledge to a very practical purpose in the lights that it has had installed over the bulletin boards.

The lights which first appeared last Friday have made a decided improvement in the efficiency of the bulletin boards as dispensing points for information, and the lights themselves are quite ornamental.

Varsity Quintet Will Meet Boston University Next

Will Have to Improve Greatly In Order to Defeat B.U. Saturday

Scrimmage, and lots of it, is on the Varsity basketball team's schedule for the remainder of the week. Saturday night the team meets Boston University in the first real test of their power. According to Coach McCarthy, the team will have to do much better than they did in the New Bedford game.

Basket shooting was none too good in last Saturday's contest, and as a result the men have spent a good deal of their time trying to make their shots more accurate. Brig Allen, Dave Motter, and Captain Brockleman were leading scorers in the New Bedford game, but they missed a large number of their shots.

Motter Looks Good

Dave Motter has been doing very good work in scrimmage, and he bids fair to become one of the team's best shots. However, he still needs to polish up his shots and he will have to spend much time perfecting his form.

While Saturday's game will be the second of the season for the Varsity, (Continued on Page 3)

SECOND DORM DANCE TAKES PLACE FRIDAY

Collegian Ramblers Will Play At Social Function

Following the custom of previous years, there will be a formal Dorm Dance in North Hall of Walker Memorial this Friday night, from 8:30 to 2 o'clock. The tickets for this dance have been on sale for the past two weeks at \$2.50 per couple, the number of couples being limited to seventy-five. Music will be supplied by the Collegian Ramblers who have performed at a number of Dorm Dances of last year as well as at the dance held last October. Refreshments consisting of ice cream and cake will be served during the course of the evening.

Whiting Presents Compositions from Old Masters at Year's First Concert

Gives Talk on Appreciation of Music and Explains Selections

Mr. Arthur Whiting, who is one of the leading interpreters of modern music, presented his first recital for the year at the Institute, in Room 10-250 at 8:15 o'clock last evening before an audience of 300 students, faculty, members and friends. The presentation consisted of selections of Handel, Campra, Haydn, Scarlatti, and Rameau. Several old French selections were also given.

Mr. Whiting gave a brief talk concerning each selection or groups of selections. He explained the general theme of each piece, telling something of its history and the causes for its being composed.

Miss Flora Collins, soprano, and Mr. George Barrere, one of the leading flutists in the country, assisted

Engineers Meet University Club In Hockey Game

With Harvard Game Less Than Two Weeks Off, Team Does Intensive Training

For the first time this season the M. I. T. hockey team will scrimmage with outside opponents when they meet the University Club at the new Boston Arena today at 6 o'clock. As it is the team's first scrimmage, no predictions can be made except from the fact that the team has been showing up very well in practice. The strength of the University Club team is not known, but as it is made up of several ex-college stars, they should succeed in giving the Varsity a real battle.

The Varsity's first game will be played Saturday, with B. U. as the opponent. Inasmuch as the team has been late getting started this year, and as the Harvard game is near at hand, coming on December 16, practice for the Varsity only is in order for this week. Coach Stewart is having the team practice every morning that is available this week so as to get the team in shape for Saturday's game. About thirty or more men are turning out at each practice session, many of whom are sure to give some of the Varsity men a fight for their respective positions. Although Coach Stewart is at present devoting all his time to developing the Varsity team, the freshmen appear to have a wealth of material this year and should with a little coaching develop into a fast outfit. There are several good games on their schedule this year, the schedule on the whole being the best that a freshman team has had in several years.

BALANCING MACHINE TESTS BEING MADE

Application to Rotating Members Studied in Thesis Work

Static and dynamic balancing tests of rotating members are being undertaken by Charles M. Perkins G., and Professor Earle Buckingham on a newly installed machine in the basement of Building 5. This new apparatus, a Carwen Olsen Static-dynamic balancing machine, was acquired last fall, and was put in readiness for testings in the latter part of October.

Mr. Perkins is a graduate of Cambridge, England, and is making a study of the behavior of the machine in its various applications for his thesis. The machine is used to test the balance of rotating members, such as crankshafts, both when at rest and when in motion. It will handle members up to a maximum of four hundred pounds in weight. Mr. Perkins states there is a possibility that the machine may be used also for tests of impact in bearings and the like.

The machine is to be made ready for regular class exercises in balancing which will be held shortly, and it will also be available for thesis problems.

FINAL PLANS FOR SPORTS NIGHT ON FRIDAY ANNOUNCED

Will Speak on Flag to Students Today

Colonel Harrison S. Kermick from the Coast Artillery Corps of the United States Army will give a lecture on "The Evolution of the U. S. Flag" to first year students in Room 10-250 at 1 o'clock today. All sections of Military Science, except members of Company "A" actually firing on the range will attend.

Phosphorus Will Appear Tomorrow In Xmas Number

Lively Humor and Keen Satire Characterize December Issue of Voo Doo

"Voo Doo" appears to us again tomorrow in a Christmas issue. Its cover by Benjamin Smith '30 portrays a snow man and his lady lover in a typical setting. Wayne A. Sovern '30 has a full page of winter "sports" of various variety duly labeled.

The issue opens with a yule tide story of merrie Engleade whose errant nonsense is pleasing. Among the other literary masterpieces that the issue boasts is a compendium of the credos espoused by the typical Technology student. For the well dressed man there is an enlightening and informative little article on December fashions.

Among the lamentations of Ezekiel which appear are none more poignant than the cry of one disheartened striver after knowledge who bewails the mental anguish suffered as a student at the hands of the calculus fiends. And few can fail to have their sympathies stirred by the sad tale of the man who has tried to make his little contribution to the Christmas spirit, but to whom the results have been so unjust that he has become cynical about the whole business.

As a whole the Christmas issue of "Voo Doo" is full of sparkling wit and should provide diversion for many a tiresome hour in Room 10-250. The next issue is scheduled for January 9.

ALPHA CHI SIGMA ELECTS MEMBERS

Announcement has been made of the election of new members to the Technology chapter of Alpha Chi Sigma, national honorary chemical fraternity. Eight graduates have been chosen, two of whom have not as yet been pledged. Those who have already formally accepted election are: Webster E. Fisher G., Carl J. Franz '30, William P. G. Hall '31, Robert D. McCarron '30, Arthur E. Schneider G., and Alan W. Vint '30.

Alpha Chi Sigma will hold its regular chapter meeting in the West Lounge of Walker Memorial this evening at 7:30. It is expected that the two other nominees will have come to a decision by that time, and that their names will be announced in a later issue of THE TECH.

MOVING PICTURES TO BE SHOWN ON FRIDAY

Moving pictures describing a visit to the plant of the Cadillac Motor Car Co. in Detroit, Michigan, will be shown to the students of the Institute in Room 5-330 on Friday afternoon from 3 to 4 o'clock. The pictures are being presented by the Society of Automotive Engineers and is the second series of films of that type to be shown.

BOLANOS TO MEET JAMESON IN THE BOXING FEATURE

Varsity and Freshman Basketball Teams to Fight on Short Programme

MANY GYM ACTS ENTERED

Final plans for the Annual Sports Night to be held in Walker Gym on Friday night are rapidly nearing completion. The teams that are to be represented are basketball, boxing, fencing, gym and wrestling. Each of these teams will be given about twenty minutes to display its prowess.

Due to the fact that the Varsity and freshman basketball teams have games scheduled for Saturday night they will have to curtail their exhibitions to five minutes, but the second teams will put on a scrimmage for the remainder of the time allotted them.

Boxing Teams Announces Card

Captain John Bolanos and Ronald Jameson will furnish the feature boxing bout of the evening. Both of these men have been doing good work; although Jameson has been handicapped slightly with a sore eye and a cold. Svensson and Horton will put on another bout while there will be a third fight to finish up the boxers period. Orleman will be one of the contestants in the final bout, but his opponent has not as yet been announced.

As the gym team will have full use of their apparatus, their exhibition will be one of the features of the evening. Among the men who are expected to perform are: Captain Harold Fairchild, Almer Moore, Dave Wells, Norman Dolloff, Wes Reynolds, Knapp, and Couper.

Fencers Plan Lively Contests

Neither the fencing nor the boxing teams have as yet announced their schedules for the evening, but the managers of both of the teams promise some interesting entertainment. The fencers are planning to give an exhibition with the sabers, which promises to be very interesting.

Council Awards "T" To Worthen

Numerals Awarded to Sophomore Football and '32 Cross Country Teams

Clarence E. Worthen '29, captain of the Varsity Cross-Country Team this fall was the only member of the team who was awarded a straight "T" by the Advisory Council on Athletics at its meeting last night.

Two other men, Leon S. Thorsen '30, and Charles DeFazio '29 had been recommended, but the recommendation was voted down because of the poor showing of all the team in both intercollegiate, this in face of the fact that Thorsen was the best performer on the team, having finished first in the Holy Cross and New Hampshire meets. Worthen's award was based on the merits of his services as captain.

The following men were awarded the "cTc" as members of the Varsity Cross Country Team: Clarence E. Worthen '29, Leon S. Thorsen '30, Charles DeFazio '29, Richard L. Berry '30, Maurice S. Herbert '30, Richard K. Baltzer '31, and John J. McNiff '31.

CALENDAR

Thursday, December 6

5:00—Institute Committee Meeting, Faculty Dining Room.
9:00—Interfraternity Dance, Louis XIV Ballroom, Hotel Somerset.

Friday, December 7

6:00—A. L. E. E. Dinner and Lecture, Main Hall and North Hall.
9:30—Dorm Dance, North Hall.

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Official News Organ of the Undergraduates of M. I. T.

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In charge of this issue:

Ralph Davis '31

BLIND BRAGGADOCIO

FEW of us will not admit that as a technical institution M.I.T. is without parallel throughout the United States. We hear envious remarks from students of schools in every part of the country; students either to whom Technology standards would be a nightmare, or to whom the opportunity to come to Cambridge for graduate study would seem a Godsend. What greater proof is needed? Furthermore might it not be said that few if any colleges in the whole world surpass us? Indeed M.I.T. is great. What superb, self-imposed distinction! But who among us would not snatch at the chance to study abroad—in Germany in particular? Why? Because we have a sneaking suspicion beneath our outward swagger that Europe can give us something sadly lacking here.

RECENTLY we discarded for the moment our customary pretensions and talked at length with a graduate of foreign institutions, now in close touch with American schools and American engineering projects. We questioned and compared; we stripped the Institute of its questionable glamor to see what lay beneath; but we sought primarily for the basic differences between the European training and the American. Our results may be biased—the opinions of but one man, however great he may be. Yet they do contain much that is true—much that may well be considered. Let us see briefly the gist of that conversation:

AMERICANS learn facts; Europeans learn methods. What are the majority of our lecture courses but an accumulation of facts—facts that are in books to which we all would have access after graduation; facts that are crammed before quizzes and forgotten the next week? We are told that we come to a technical school not to learn practical engineering, but to learn how to learn when we strike actual practice; we are supposedly here for theoretical training; and we receive facts. Methods we remember, while they make the facts involved become a matter of course. Could we not stand more method—less unrelated fact?

A COLLEGE in the United States is a business enterprise; it usually has a plentiful supply of funds, administered solely by a board of trustees chosen for their business experience and prestige; whereas a European college is ruled by its faculty—by those who know what is essential, for the purpose of education and research; not for prosperity and renown. The situation is obvious; are we the better for it?

WHEN a European college establishes a laboratory, it first finds a man capable of its supervision; then it secures the space; the rest follows without further trouble. When an American institution establishes a laboratory, it erects a new building, and purchases the apparatus; then any available faculty member may be chosen director, whether he is capable or not; the building is the primary requisite, the machinery the other. Are not M.I.T. buildings and laboratories nationally famous? And do we not hear solely of foreign professors and research geniuses, with mention of their workshops solely as of their own creation?

ON the average, approximately ten per cent of any faculty are worthy of their title. Europe gives heed to that ten per cent sponsoring them, and furthering their efforts, giving not a tinker's dam for the other ninety. American methods are directly opposite; here the ninety are helped, encouraged, and forced on the students—it is essential to the American social system of education. We matriculate en masse principally for that assistance which the fact of graduation will lend to future success, and secondarily for the knowledge. A European student studies with a certain professor, depending on where the professor happens to be teaching, entirely for the superior training that man can provide. We of the United States and of M.I.T. graduate from an institution; we take the formulated knowledge along with the rest of the flock, with little regard as to who may administer the dose. And we have long been satisfied. Shall we continue so?

The Open Forum

To the Editor of THE TECH:

So Darrow has come and gone—nothing more? Perhaps. Yet we dare to hope that he awakened in some of his audience dormant interests in criminology. That he dealt with this rather than with death versus immortality or some similar subject concerning which one man's guess is as good as another's showed his good sense. Since he had only an hour or two in which to speak it would have seemed rather foolish had he spent his time discussing a thing whose existence he denies. Furthermore, if there be a future life wherein will flourish the "Kingdom of God" whose potentate is equally the father of all—of the "just and the unjust," to quote its official Blue Book—and whose citizens are thereby spiritually fraternal and equal, then the best way to prepare for it is to try a bit of "brotherly love" now, that the remarkable adjustment most religionists are to experience later may not be too severe a shock for their delicate constitutions. If neither one nor both of the H's exist then the sensible plan of action is to pay some attention to the best methods of civic development here.

We are heartily pleased that Darrow spoke on criminology—rather appropriate for a criminal lawyer. We cannot understand the meaning of your editorial writer when he says "We are grossly flattered that the Darrow of yesterday... could be thought capable of changing our lives;... we would be more than willing to stand that risk could we hear the Darrow of newspaper fame..." That he confided himself to the consideration of only a few points proves him an orator—and perhaps proves that he knew the capacity of certain of his audience. (The writer of our editorial of last Wednesday "balks" at supplying his own logic!) That he should speak on criminology at this time is doubly appropriate since the Massachusetts Council for the Abolition of the Death Penalty is to make a concerted drive this Winter to get the state legislature to abolish capital punishment. Should those of us who do not balk at supplying our own logic consider more fully some of the questions which Mr. Darrow raised—right versus wrong, vengeance, crime by suggestion, effectiveness of types of punishment, inconsistencies in our "folkway" ethics of murder—we might be annoyed and spurred into action by our conclusions.

Very truly yours,
Reginald L. Wakeman, V. G.

P. S. An important suggestion—Let us organize a Society for the Protection of the Uncontaminated Unthinking Public, and let us supplement its activities by those of a Society for the Promotion of Ballyhoo.

R. L. W.

EDITORIAL COMMENT

Strange to say there has been found among our several readers one who opposes our views sufficiently to have his own opinions published in the Open Forum column. That once had been our fondest hope, nearly discarded eventually through sheer despair.

Mr. Wakeman points out above that

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we balked; we still do—both at supplying our own logic to go with simple facts such as Darrow uttered, and at changing our attitude after the construance of our words as contained in the accompanying letter. The readers should not feel greatly

pleased with the statement that "he knew the capacity of certain of his audience." That was our chief objection to the side of his ability that Darrow showed. He assumed—pos- (Continued on Page 4)

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SOCCER TEAMS

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I happen to be blest with a host of very fine friends, mostly "highbrows"—professors, scientists, et. Generally at Christmas time they show their remembrance and all that with some little gift—a box of cigars, fishing tackle, a book—all that sort of thing. Well, this Christmas many seemed to centre on tobacco. Now, mark you, these fellows have no communication with each other. They live in widely separated parts of the country, so it was no "put-up" joke on me or anything like that. But here came seventeen boxes of tobacco, and sixteen of them the familiar blue "Edgeworth!" The seventeenth was a very flossy walnut, brass-trimmed box, but if I know tobacco, the contents were Edgeworth with a little perique in it. Just coincidence, perhaps, but a queer one. Am not an habitual smoker of Edgeworth, so they weren't catering to any especial taste of mine. Looks like a consensus of opinion among the "highbrows"—or quite a batch of 'em—that Edgeworth is the stuff, the proper caper for a gift.

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HANDICAP MEET

TO BE HELD DEC. 15

Interesting Contest Will be Run for Benefit of New Men on Board Track

Scenes of great activity about the board track in the rear of the Hangar marked the beginning of the indoor season Monday. Stricter training rules have gone into effect, and a competition for places on the relay teams is now under way. Easy work-outs were assigned in order that the men might become accustomed to the boards.

The number of freshmen who take advantage of the Institute track facilities is very encouraging to those in charge of the sport. Coach Hedlund plans to run a competition lasting several days for them alone. He has spent a great deal of time in preparing for this new feature, which will be run on a decathlon system of scoring. This will serve as an interesting means of providing experience for the freshmen who have not had previous competition.

The objective of the Varsity as well as the freshmen at present is to get into the best of physical condition before the competition starts. The first handicap meet of the winter season will be held on Saturday, December 15. The usual events will doubtlessly be run, including the 60-yard dash, 300-yard run, 600-yard run, 1000-yard run, broad jump, high jump, and shot put. After this meet there will be no competitive running until the men have returned from the Christmas vacation, when work will be devoted to the relay teams.

ENGINEER QUINTETS

PLAY B.U. SATURDAY

(Continued from Page 1)

it will be the opening contest for the yearlings and it will be a real test of their strength, as B. U. is credited with having a very strong team.

Freshmen Have Good Men

Many of the freshmen team members have seen quite a bit of service on high school teams and they seem to have a pretty good squad. Among the men likely to see action are Ross, former Winchester high center; Rash, a forward from Green Brier Military School; Weller, Westfield high guard; Sears, at center; Stockwell, a forward; and Paul, a guard. Other men who may play are: Garcia, Kentro, Winkler, and Merchant.

COMBINED PROFESSIONAL SOCIETIES

The Combined Professional Societies will have its picture taken at 8 o'clock tomorrow in Room 11-004. The president of each society is expected to be present.

The combined Oxford-Cambridge track team will meet the combined Cornell-Princeton team on July 30, 1929, it was announced recently by Dr. Chas. W. Kennedy, chairman of the Princeton Board of Athletic Control.



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OFFICIAL BULLETIN

BIOLOGY AND PUBLIC HEALTH

Sedgwick Biological Society meeting in the Emma Rogers Room at 7:00 o'clock on Friday, December 7.

CIVIL ENGINEERING

Mr. Kenneth C. Reynolds, Instructor in the Department of Civil Engineering, will lecture in Room 1-150, today at 3 o'clock, on "Laws of Hydraulic Similitude as Applied to Experiments with Models".

ECONOMICS

The following speaker will lecture before the class in Business Management in Room 1-190:

Mr. John J. Gillespie
of the United Shoe Machinery Corporation

December 7 at 2 o'clock

Subject: "Production Control in the Shoe Industry."

The Open Forum

(Continued from Page 2)

sibly correctly, possibly not—that the minds of his audience were quite similar to those of an average jury. If they were, our editorial was sadly at fault: if the audience craved

naught but amusement by a more or less superficial discussion of human foibles at the expense of most every civil institution, then their hearts' desires were fulfilled. If they craved as we did a more penetrating discussion—whether of crime or of an other of Darrow's hobbies—then we do not feel that our editorial could have been far wrong. As for supplying our

logic—why hear a speaker if he gives one little of his own? Facts can be found in any encyclopedia—but the interpretation of those facts might be expected from a man like him. We received little profound interpretation; rather facts set to caustic wit. Darrow himself took the first step toward the organization suggested in the post script; he contaminated no one—much to our disappointment. Mayhap if he had, some of us might have been really "annoyed and spurred." And Darrow is adept at the Art of Ballyhoo.

The Editor.

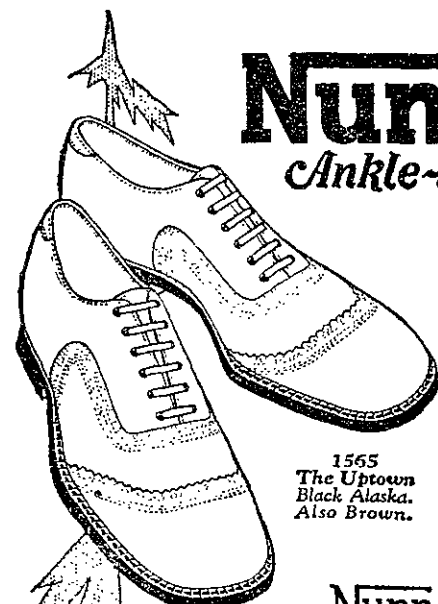


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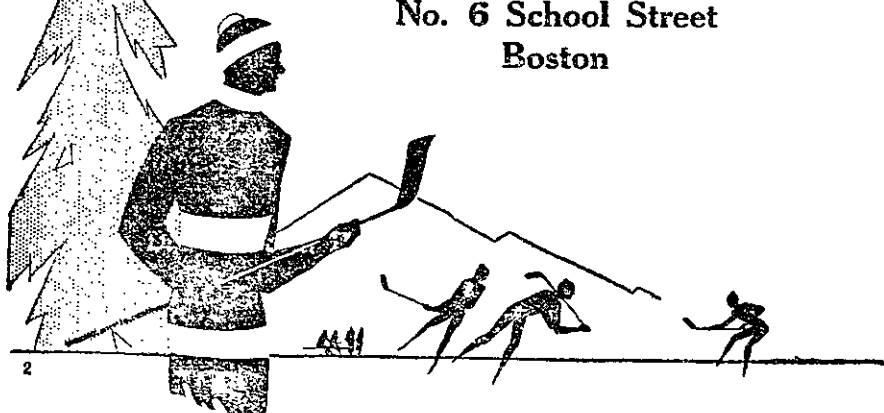
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